atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.1

Observing Atmospheric Dynamics and Dust Activity - 2nd Volume

Guest Editor:

Dr. Dimitris Kaskaoutis
Institute for Environmental Research and Sustainable Development, National Observatory of Athens, 11810 Athens, Greece

Deadline for manuscript submissions:
closed (31 May 2021)

Message from the Guest Editor

Dear Colleagues,

Atmospheric dynamics and dust activity are interrelated phenomena, since certain atmospheric circulation patterns facilitate the emission of dust over arid/semi-arid areas around the globe and, on the other hand, radiative forcing of dust may modulate local and regional weather conditions. Dust aerosols have significant impacts on the regional and global climate, on air quality, on marine and terrestrial ecosystems, and on human health and are systematically examined around the globe via a synergy of ground-based, airborne, and satellite instrumentation and numerical simulations. This Special Issue seeks high-quality and innovative manuscripts focusing on the interrelation between atmospheric/meteorological dynamics and dust activity (from emission to final deposition) over global desert and semi-desert regions. Papers examining dust–radiation and dust–cloud interactions are also highly welcome, as are analyses of optical, physical, chemical, and mineralogical properties of dust and the seasonality in dust activity over specific regions, sources, sinks, and transport pathways of the dust plumes.

Dr. Dimitris Kaskaoutis
Guest Editor

atmosphere

an Open Access Journal by MDPI

IMPACT FACTOR 2.9

CITESCORE 4.1

Editor-in-Chief

Prof. Dr. Ilias Kavouras
Environmental, Occupational, and Geospatial Health Sciences, CUNY School of Public Health, New York, NY 10027, USA

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, GeoRef, Inspec, CAPlus / SciFinder, Astrophysics Data System, and other databases.
Journal Rank: CiteScore - Q2 (*Environmental Science (miscellaneous)*)

Contact Us

Atmosphere Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/atmosphere
atmosphere@mdpi.com
𝕏@Atmosphere_MDPI